Applicants : Benjamin Esposito and Robert L. Pelt Docket No.: 174/257

Application No.: Not yet known
Filed : Concurrently herewith

Title : HYBRID MULTIPLIERS IMPLEMENTED USING DSP
CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

Agent : Alexander Shvarts, Reg. No. 47,943 Sheet 1 of 10

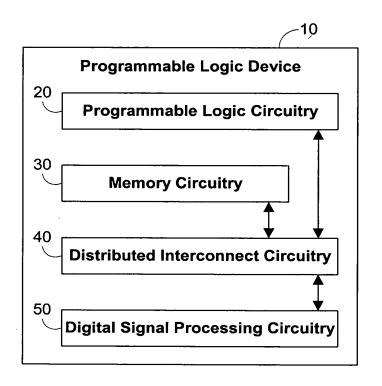


FIG. 1

Application No.: Not yet known
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Title : HYBRID MULTIPLIERS IMPLEMENTED USING DSP

CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

Agent : Alexander Shvarts, Reg. No. 47,943 Sheet 2 of 10

DSP Circuitry

One or more
multiplier circuits
(e.g., one or more
single stage
multipliers, a plurality
of single stage
multipliers arranged
in parallel)

62 -

Interconnection Circuitry

(e.g., connecting conductors and circuitry that is substantially exclusive to the DSP circuitry)

64 ^J

One or more stages of DSP circuitry (e.g., multistage DSP hardware that complements the multiplier(s) in implementing digital signal processes such as commonly used digital signal processes)

66 /

60 \sim

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Title

: HYBRID MULTIPLIERS IMPLEMENTED USING DSP CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

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<u>300</u>

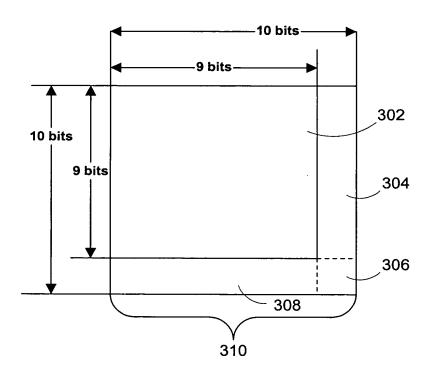


FIG. 3

: Benjamin Esposito and Robert L. Pelt Docket No.: 174/257 Applicants : Benjamin Espo Application No. : Not yet known

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CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

: Alexander Shvarts, Reg. No. 47,943 Sheet 4 of 10 Agent

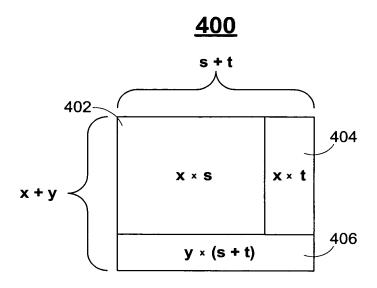


FIG. 4

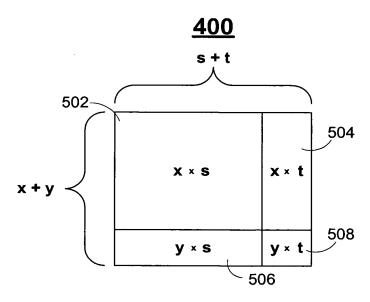


FIG. 5

Applicants : Be Application No. : No Filed : Co

Not yet known

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CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

Agent : Alexander Shvarts, Reg. No. 47,943

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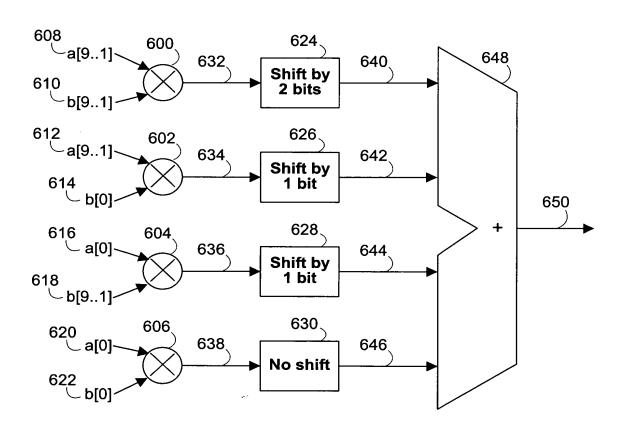


FIG. 6

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CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

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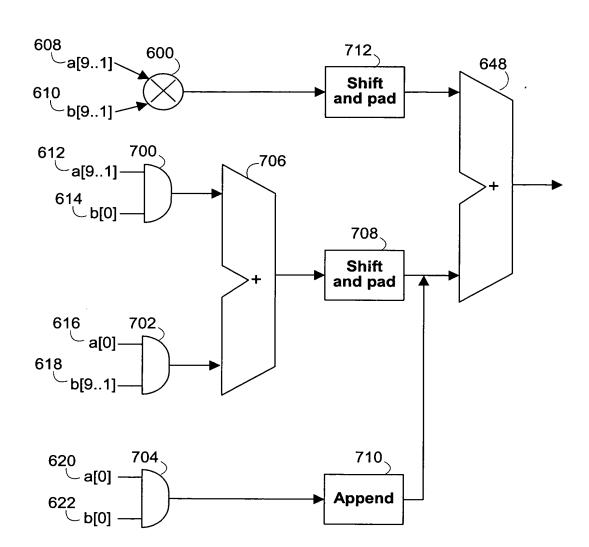


FIG. 7

Applicants : Benjamin Espo Application No. : Not yet known Filed : Concurrently herewith

: HYBRID MULTIPLIERS IMPLEMENTED USING DSP Title

CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

: Alexander Shvarts, Reg. No. 47,943 Agent Sheet 7 of 10

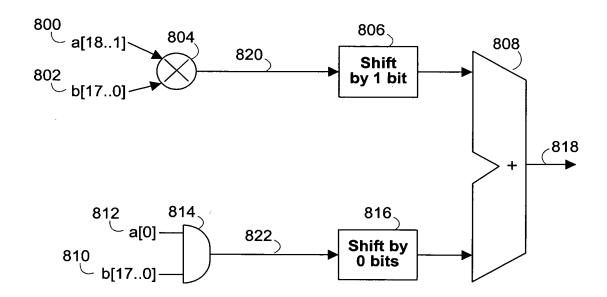


FIG. 8

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CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

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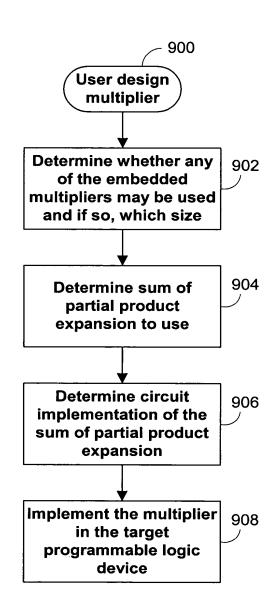


FIG. 9

Application No.: Not yet known

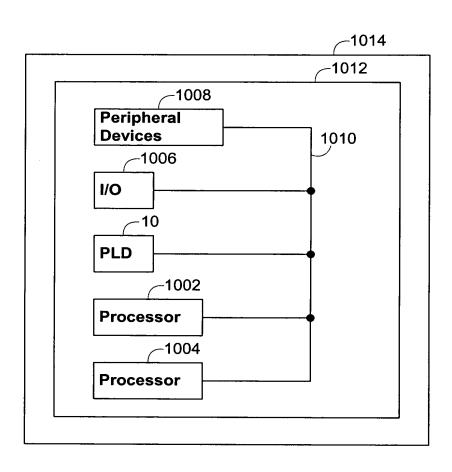
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CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

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<u>1000</u>



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Title : HYBRID MULTIPLIERS IMPLEMENTED USING DSP

CIRCUITRY AND PROGRAMMABLE LOGIC CIRCUITRY

Agent : Alexander Shvarts, Reg. No. 47,943 Sheet 10 of 10

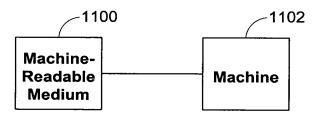


FIG. 11